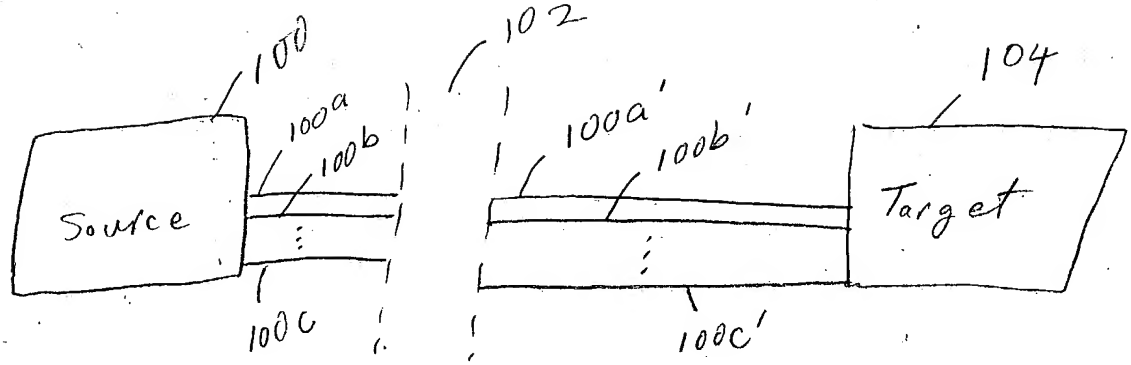

FIG 1

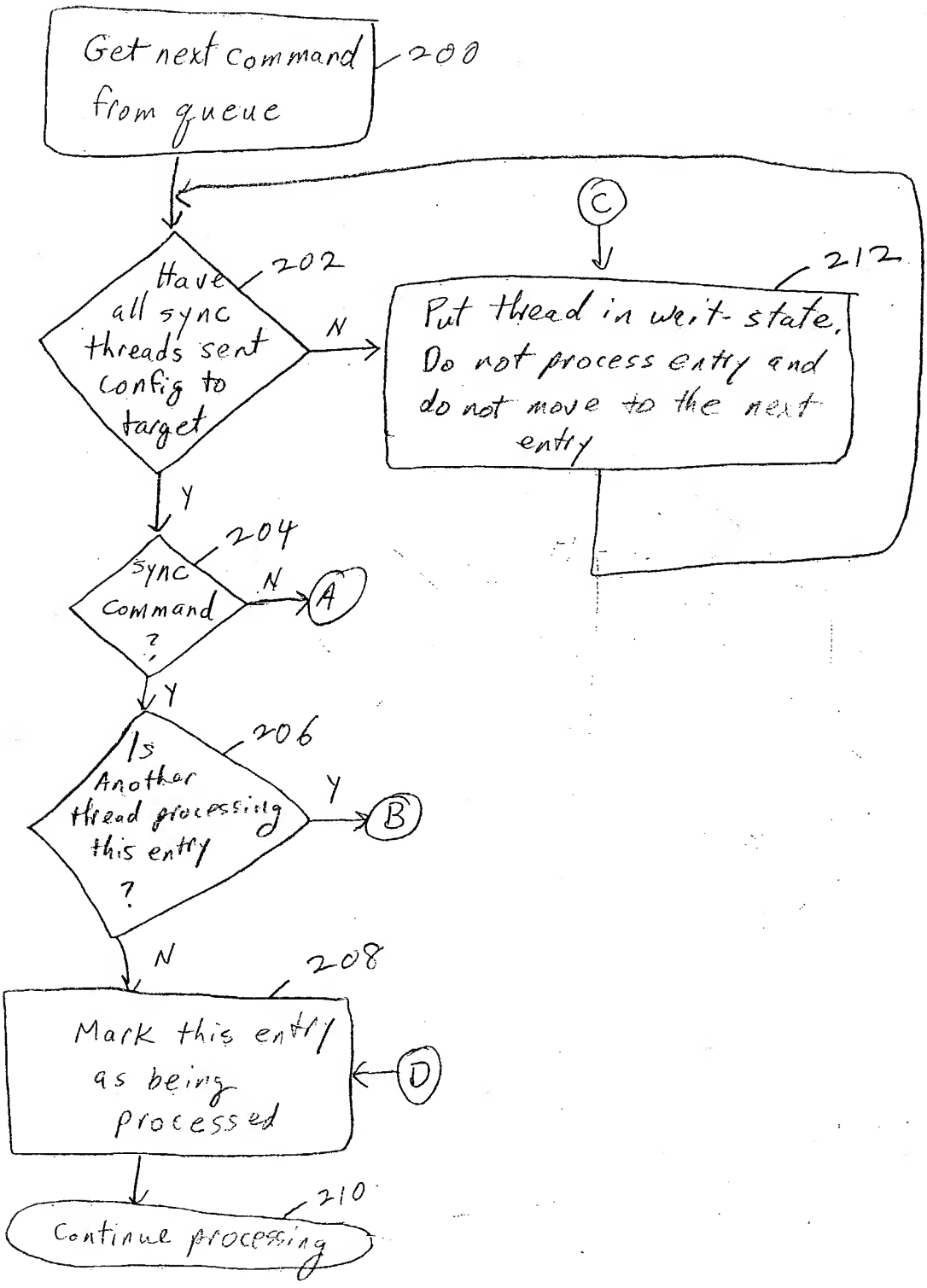
Get next command from queue
200
Have all sync threads sent config to target
202
N
Y
Put thread in wait-state. Do not process entry and do not move to the next entry
212
C
Sync command ?
204
N
A
Y
Is Another thread processing this entry ?
206
Y
B
N
Mark this entry as being processed
208
D
Continue processing
210

FIG 2A

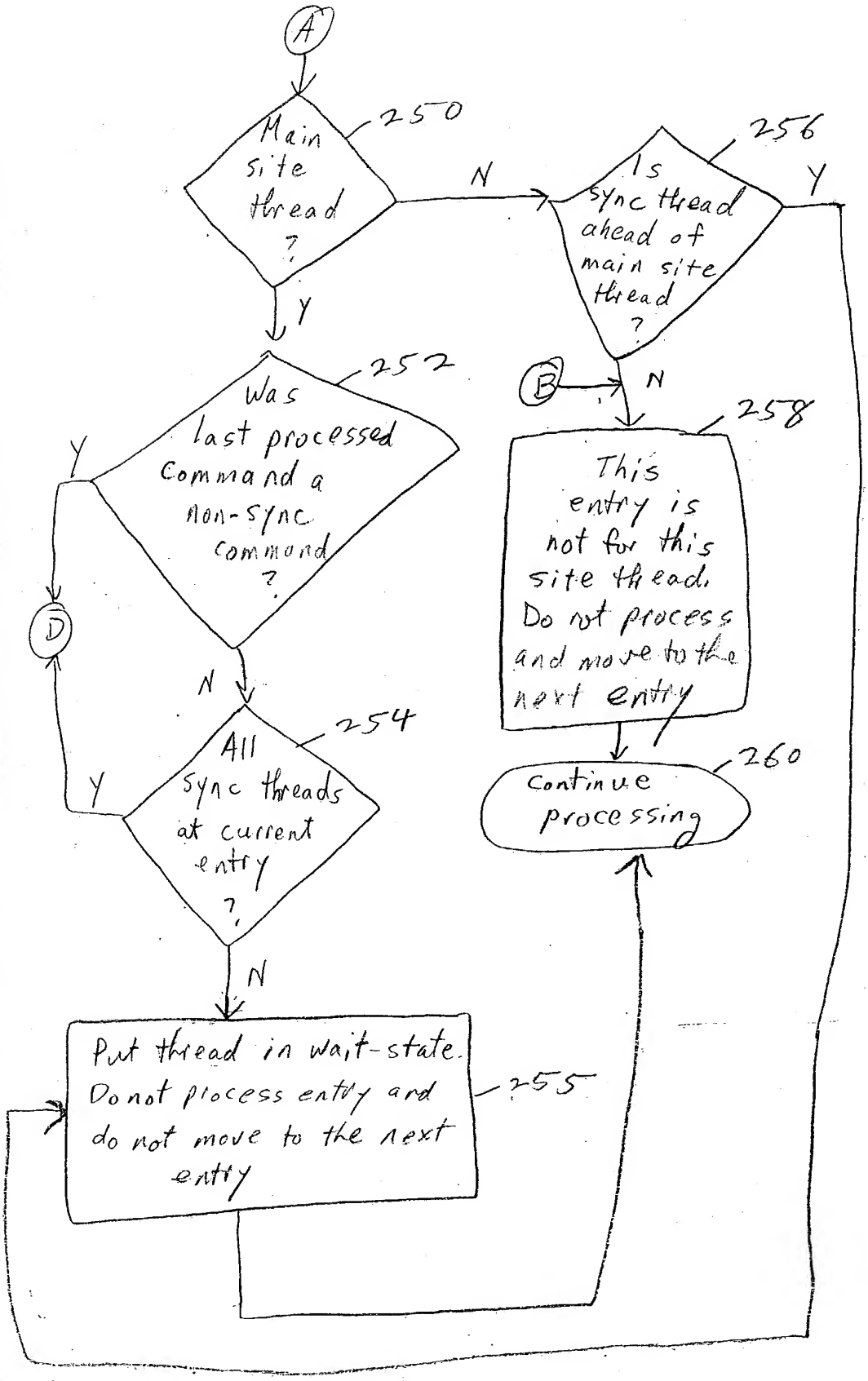
A
Main site thread ?
250
N
Y
Is sync thread ahead of main site thread ?
256
Y
B
N
Was last processed Command a non-sync command ?
252
Y
D
N
All sync threads at current entry ?
254
Y
N
This entry is not for this site thread. Do not process and move to the next entry
258
Continue processing
260
Put thread in wait-state. Do not process entry and do not move to the next entry
255

FIG 2B

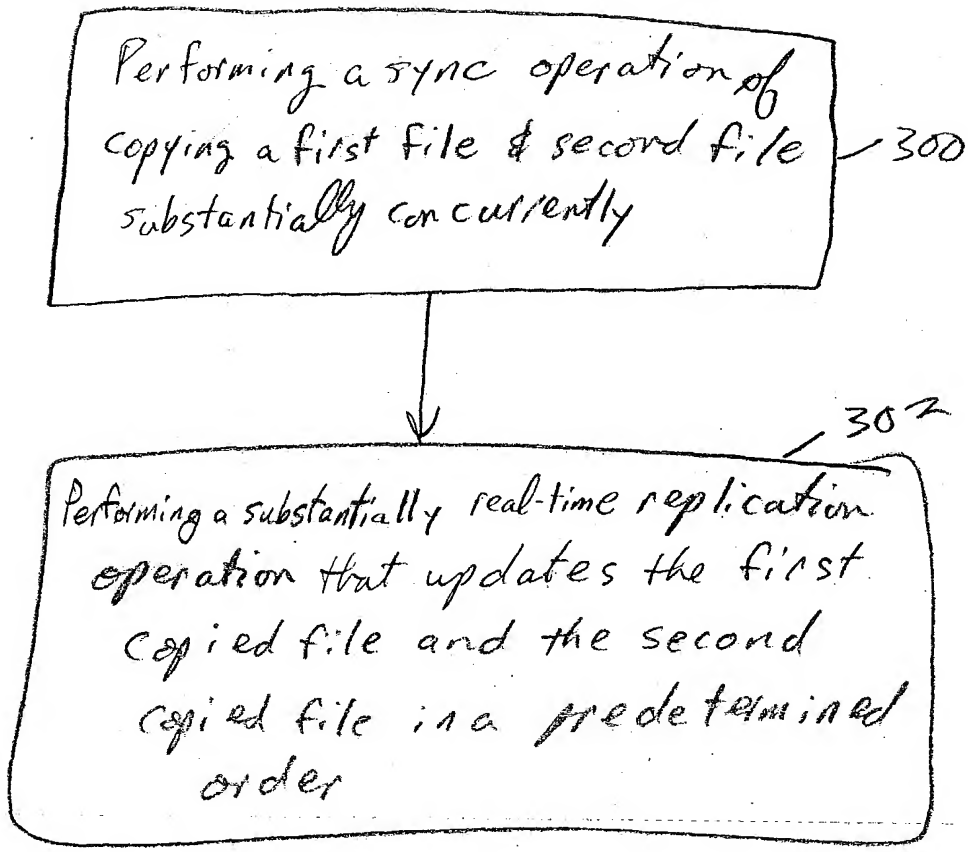
Performing a sync operation of copying a first file & second file substantially concurrently
300
Performing a substantially real-time replication operation that updates the first copied file and the second copied file in a predetermined order
302

FIG 3

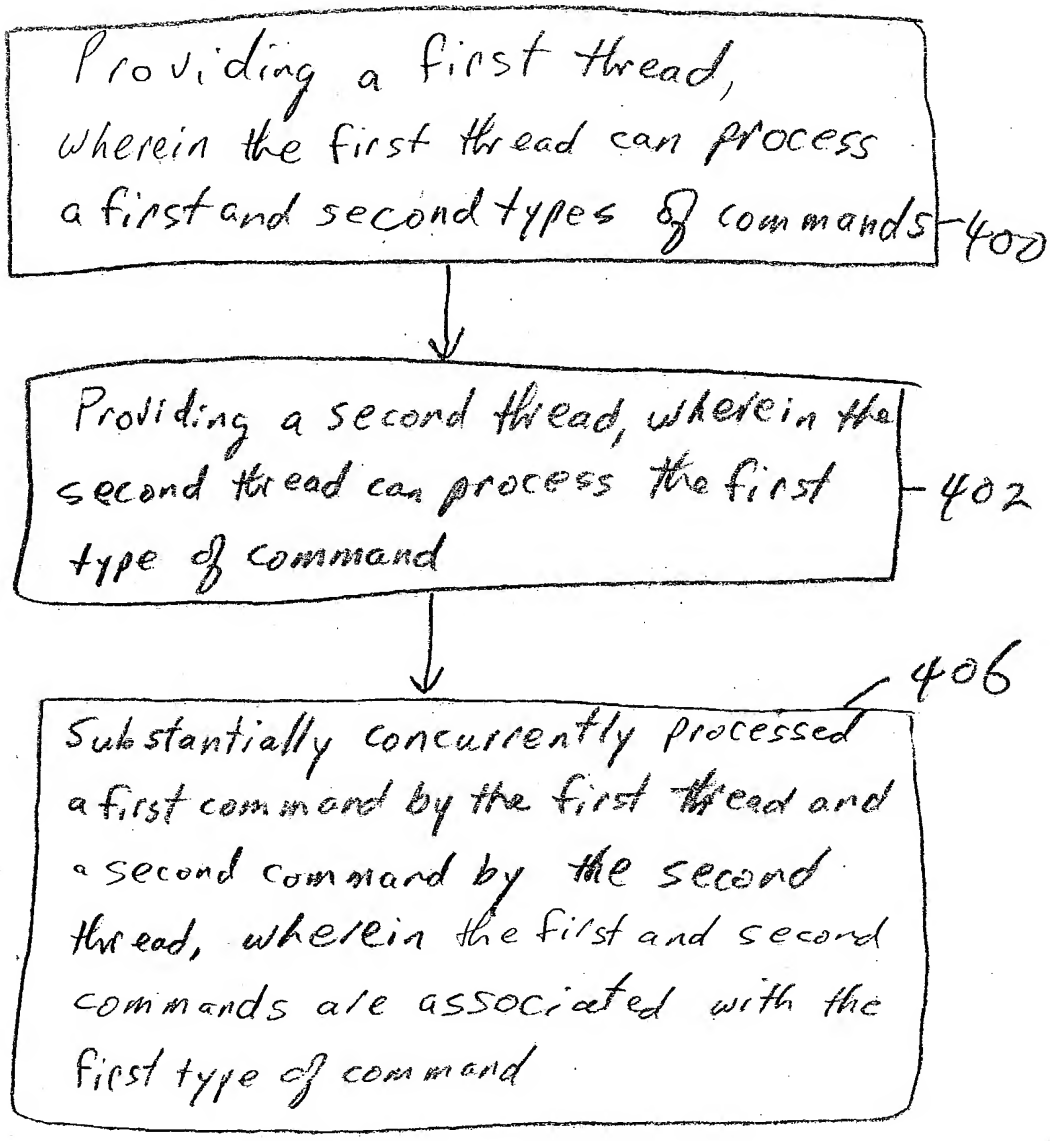
Providing a first thread, wherein the first thread can process a first and second types of commands
400
Providing a second thread, wherein the second thread can process the first type of command
402
406
Substantially concurrently processed a first command by the first thread and a second command by the second thread, wherein the first and second commands are associated with the first type of command

FIG 4